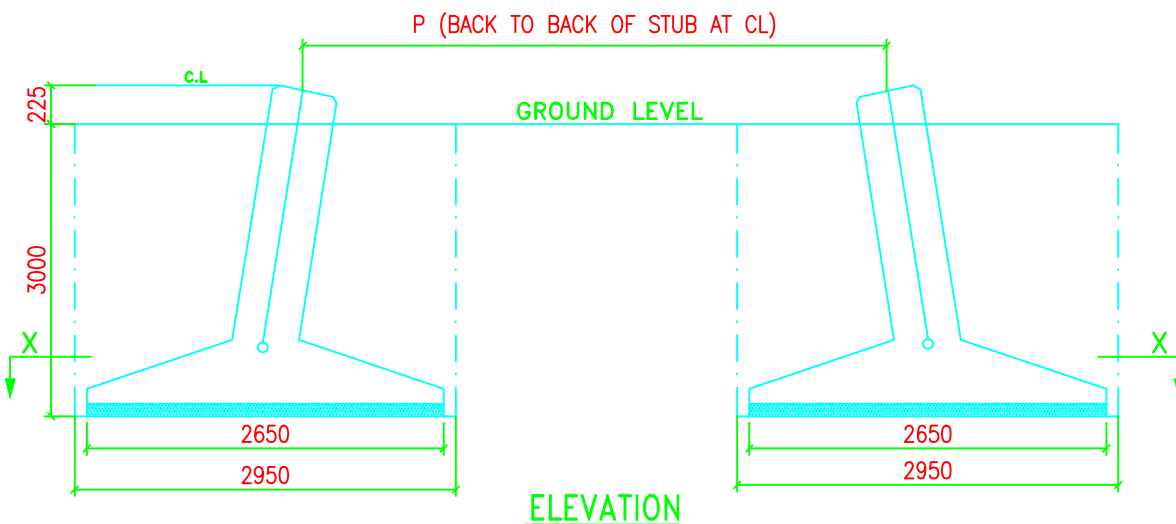


QUANTITIES/TOWER	
EXCAVATION VOLUME	= 104.43 Cu.M
CONCRETE ( 1:1.5:3)	= 12.373 Cu.M
CONCRETE ( 1:3:6)	= 1.405 Cu.M
REINFORCEMENT	= 1096.415 Kgs.

**NOTES:-**

- DRAWING NOT TO SCALE.
- ALL DIMENSIONS ARE IN MM UNLESS OTHERWISE STATED.
- REINFORCED BAR USED Fe 415 CONFORMING TO IS 1786-1985
- MIX PROPERTIES CONFORMING TO IS 456-2000
- CONCRETE MIX USED GRADE M-20 (NOMINAL MIX 1:1.5:3)  
LEAN CONCRETE MIX USED GRADE M-10 (NOMINAL MIX 1:3:6)
- WHENEVER NECESSARY TO CLEAR STUB AND CLEAT STIRRUPS AND BARS ARE TO BE ADJUSTED AT SITE.
- CLEAR COVER TO THE MAIN REINFORCEMENT BARS SHALL BE 50MM UNLESS OTHERWISE SPECIFIED.
- FOR CLEAT AND STUB TEMPLATE DETAILS PLEASE REFER RESPECTIVE STUB DRG.



BAR BENDING SCHEDULE FOR FOUNDATION							
MARK No.	SHAPE OF THE BAR	DIA (mm)	LENGHT (mm)	Nos. Leg	Unit Wt. (Kg/m)	Wt./Leg. (Kg)	Wt./Tower (Kg)
A		12	2550	42	0.888	95.104	380.416
B		12	2028	10	0.888	18.008	72.032
C		12	2774	16	0.888	39.412	157.648
D		25	3350	8	3.854	103.287	413.148
E		8	2070	13	0.390	10.495	41.980
F		8	1538	13	0.390	7.798	31.191
TOTAL REINFORCEMENT							1096.415

TOWER SLOPE TAN ALPHA = 0.245256

EXCAVATION PLAN DETAILS						
LEVEL	STUB	CG OF STUB	P	M	N	CLEAT DETAILS
+0M	HT130*130*10	35.9	12113	13351	18881	MS 110*110*8 NO. OF PAIRS 2 4 BOLTS/PAIR
+3M	HT130*130*10	35.9	13584	14823	20963	
+6M	HT130*130*10	35.9	15056	16294	23043	

THE FOUNDATION HAS BEEN DESIGNED FOR THE FOLLOWING PARAMETERS:

TYPE OF SOIL : DRY  
 UNIT WEIGHT : 1440 Kg/Cu.M  
 BEARING CAPACITY : 27350 Kg/Sq.M  
 ANGLE OF REPOSE : 30 Degrees  
 WATER TABLE : 3.0M BELOW G.L.

**BIHAR STATE POWER TRANSMISSION COMPANY LTD**

DRAWN BY		DESCRIPTION	220KV D/C "DD+0/3/6" TOWER		SCALE
CHECKED BY			FOUNDATION DRAWING OF TYPE - DRY		
APPROVED BY		DRG NO	220KV-D/C-+0/3/6-Fdn-Dry-41	SHEET NO 1-1	REV. 0